

FIG. 1

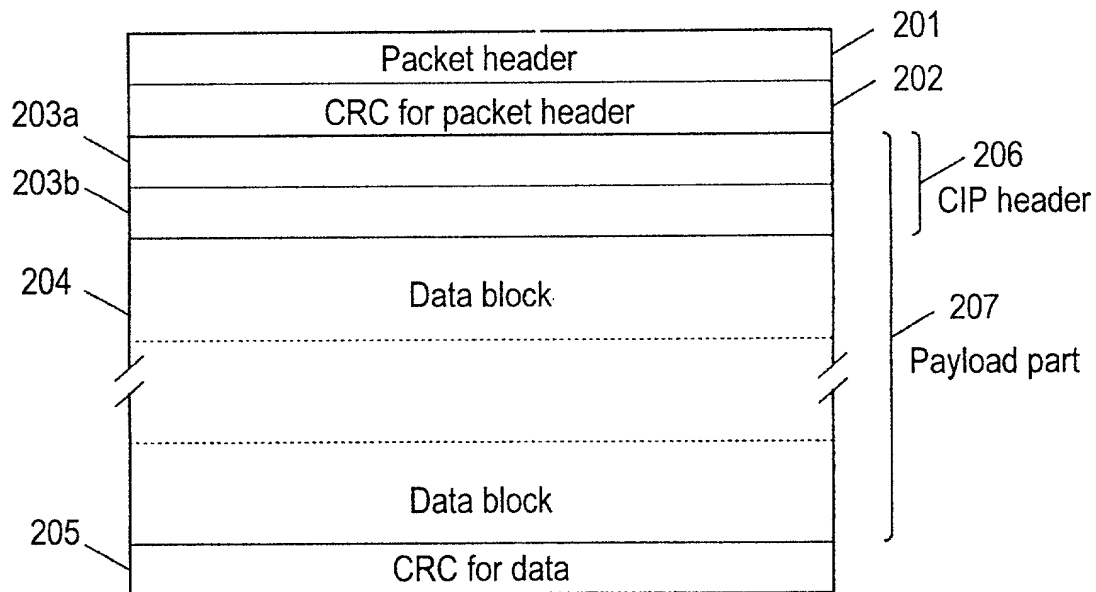


FIG. 2

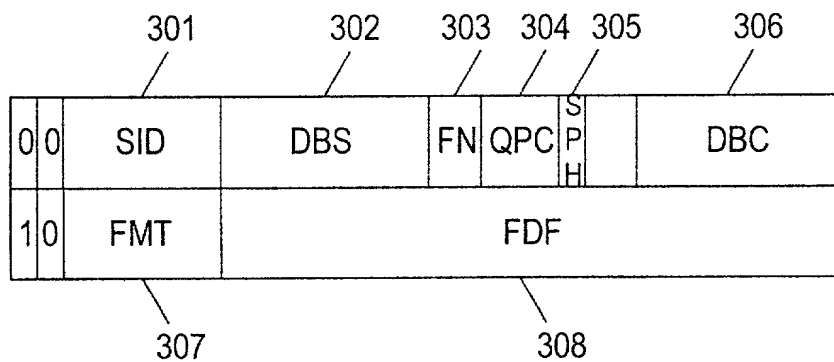


FIG. 3

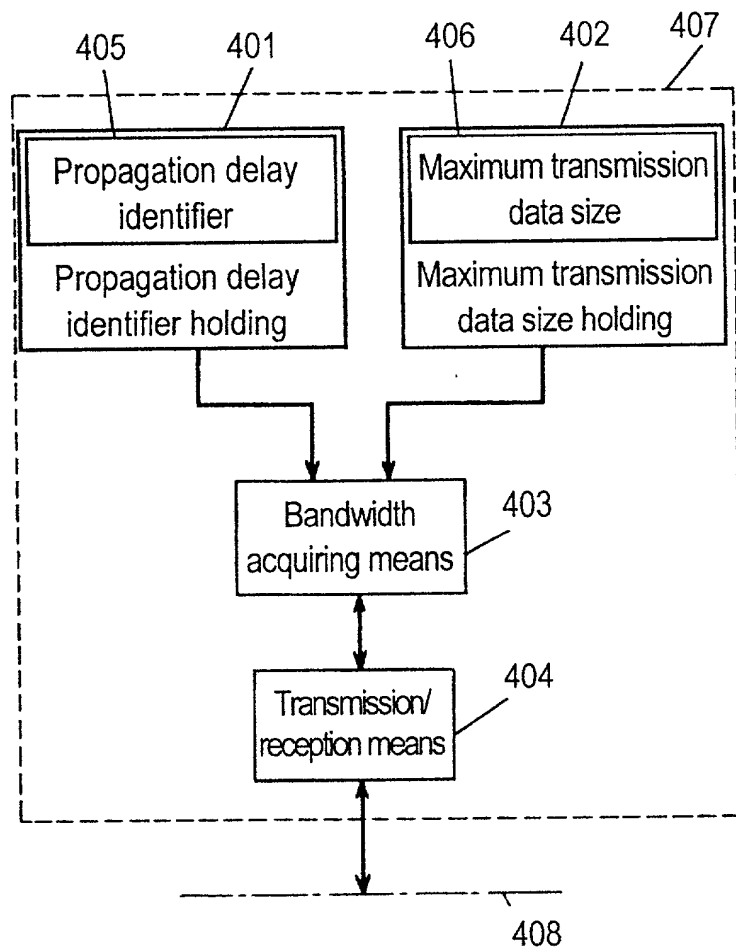


FIG. 4

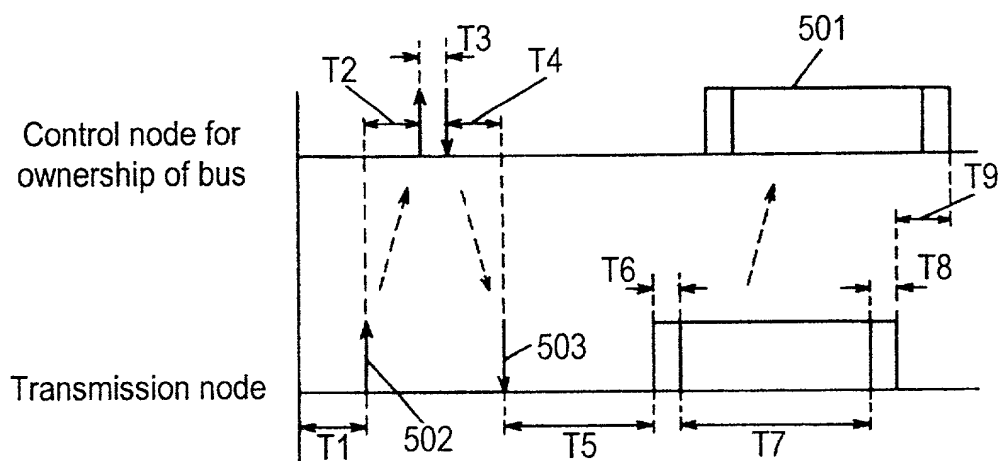


FIG. 5

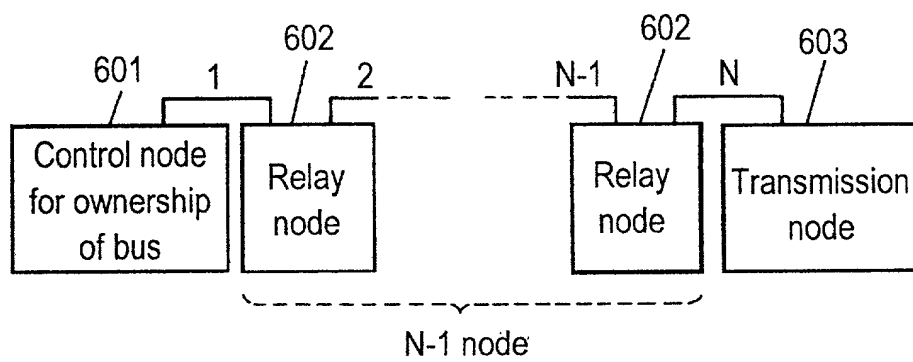


FIG. 6

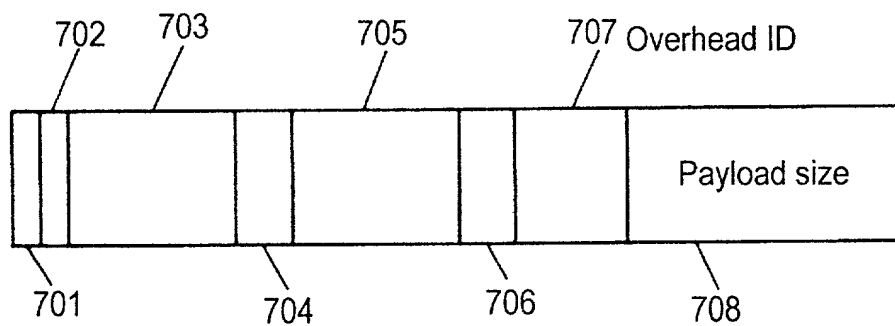


FIG. 7

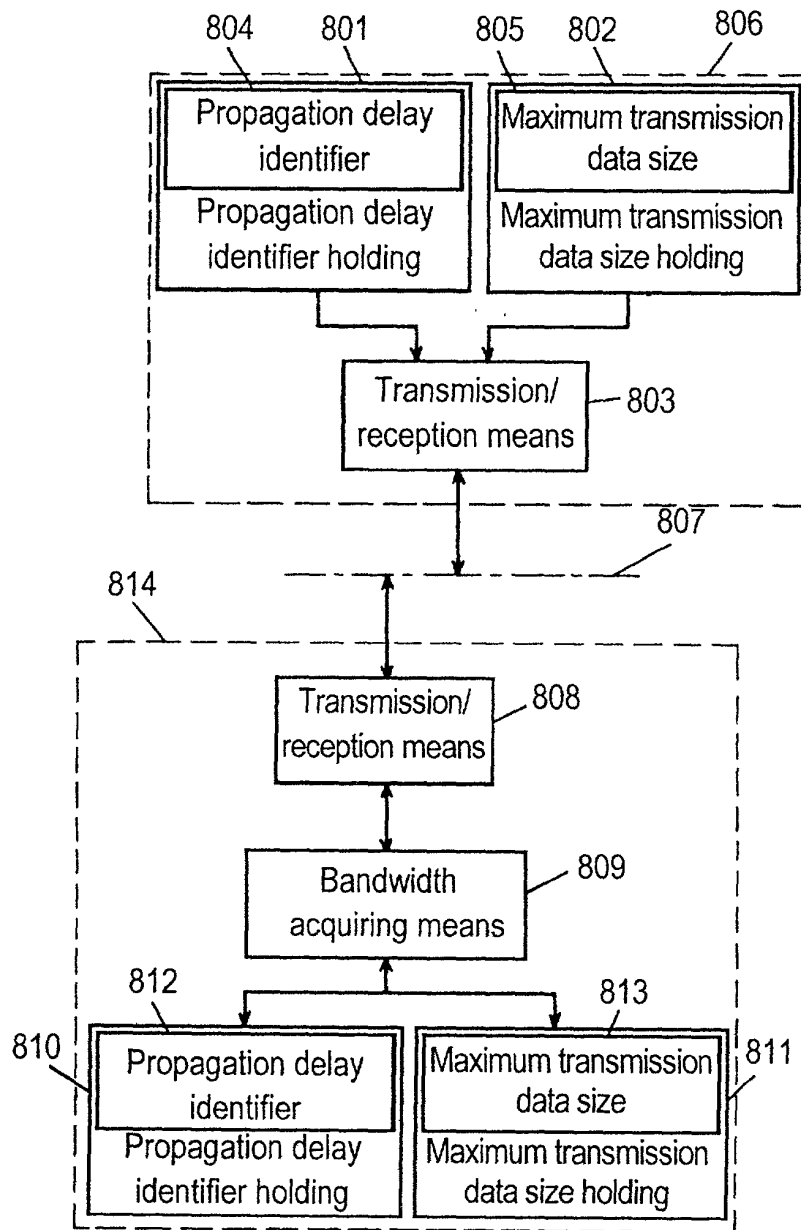


FIG. 8

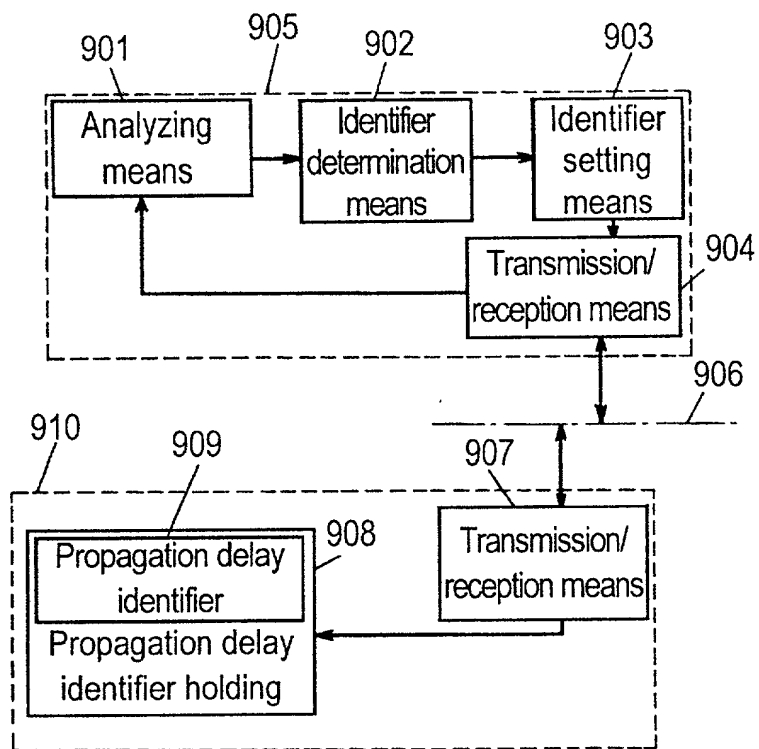


FIG. 9

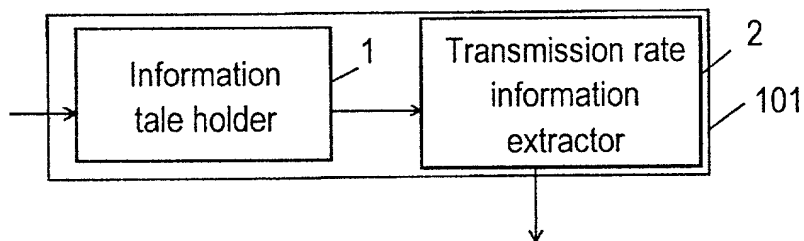


FIG. 10

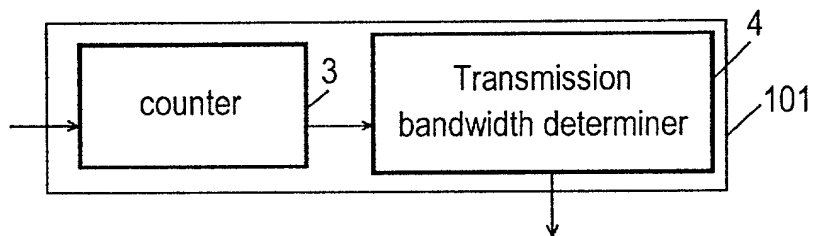


FIG. 11

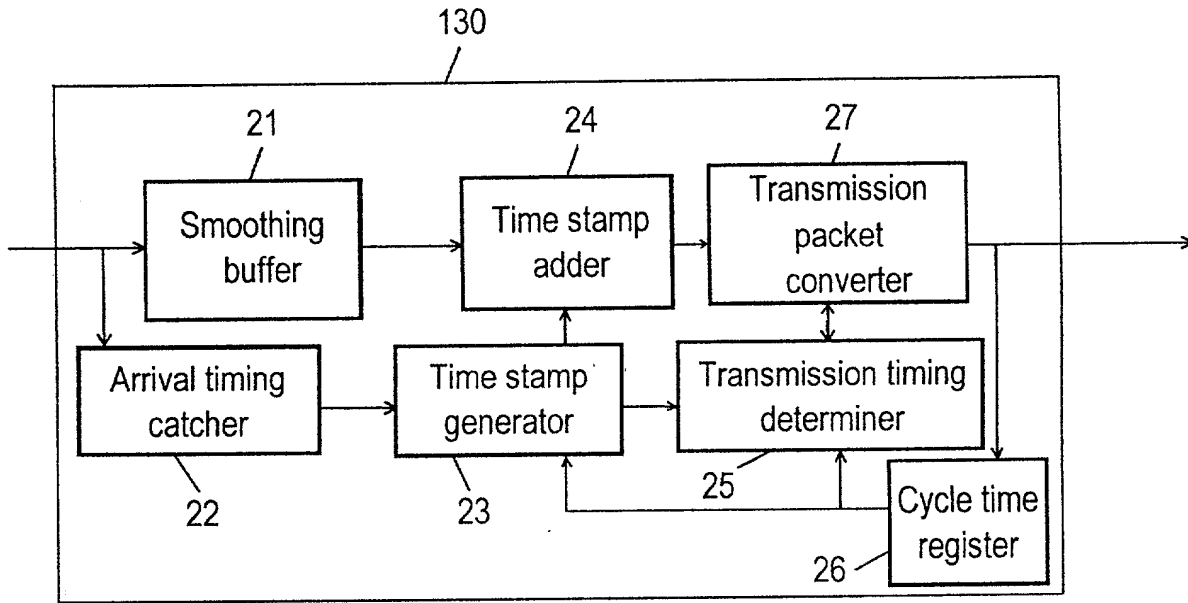


FIG. 12

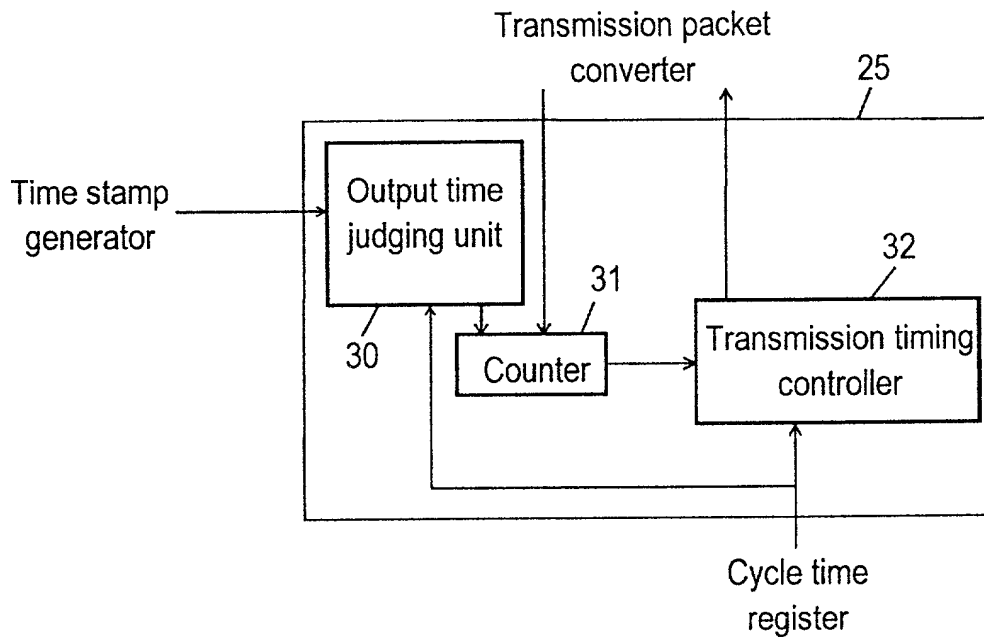


FIG. 13

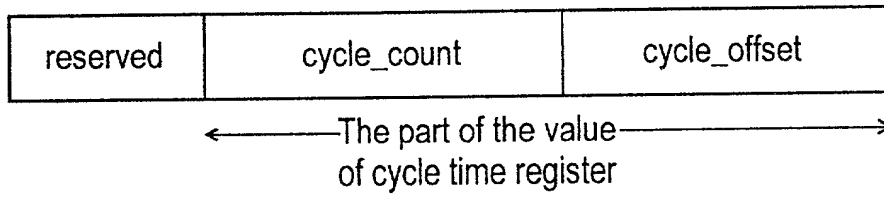


FIG. 14

NOTATIONS:

	1...information table holder
	2...transmission rate information extractor
5	3...counter
	4...transmission bandwidth determiner
	21...smoothing buffer
	22...arrival timing catcher
	23...time stamp generator
10	24...time stamp adder
	25...transmission timing determiner
	26...cycle time register
	27...transmission packet converter
	30...output time judging unit
	31...counter
	32...transmission timing controller
	101...bandwidth detection means
	102...necessary bandwidth calculation means
	103...transmission condition judge means
	104...acquired bandwidth
	105...transmission control means
	106...bandwidth information adding means
	107...transmission means
	108, 112, 122...data
25	109...data bandwidth
	110...necessary bandwidth at transmitting medium
	111...transmission condition judge result
	113, 119...bandwidth information added data
	114...transmitting medium
30	115...reception means
	116...transmission stop detection means
	117...bandwidth information separation means
	118...processing means
	120...transmission stop detection result
35	121...bandwidth information

	123...direction signal to recording and reproducing
actions	
	124...transmitting apparatus
	125...receiving apparatus
5	126...tuner
	127...playback apparatus
	128...recording apparatus
	129...reproducing apparatus
	130...data processing means
10	201...packet header
	202...CRC for packet header
	203a, 203b, 206...CIP header
	204...data block
	205...CRC for data
15	207...payload part
	301...SID (Source node ID)
	302...DBS (Data Block Size)
	303...FN (Fraction Number)
	304...QPC (Quadlet Padding Count)
20	305...SPH (Source Packet Header)
	306...DBC (Data Block continuity Counter)
	307...FMT (Format)
	308...FDF (Format Dependent Field)
	401, 801, 810, 908...propagation delay identifier
25	holding means
	402, 802, 811...maximum transmission data size holding
	means
	403, 809...bandwidth acquiring means
	404, 803, 808, 904, 907...transmission/reception means
30	405, 804, 812, 909...propagation delay identifier
	406, 805, 813...maximum transmission data size
	407, 806, 814, 910...transmitting apparatus
	408, 807, 906...transmitting medium
	501...packet
35	502...request for ownership of bus

503...permission of bus use
601...control node for ownership of bus
602...relay node
603...transmission node
5 701...on-line identifier
702...broadcast connection counter
703...point-to-point connection counter
704...non-use field
705...channel
10 706...data rate
707...overhead ID
708...payload size
901...analyzing means
902...identifier determination means
15 903...identifier setting means
905...transmission control apparatus